



FORM PTO-1082
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PATENT DOCKET NO. 2080-3234
CUSTOMER NO. 035884

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

File application of:
Hyoung Kim and Sung Ryong Hong
Serial No:
Filed: Herewith
For: CHANNEL ESTIMATOR ADOPTING MASKING

Art Unit:

Examiner:

22264 U.S. PTO
10/792317



Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith for filing is the patent application identified above.

- ☒ 5 sheet(s) of drawings (☒ formal ☐ informal) is(are) enclosed.
- ☒ 23 page(s) of specification and 1 page(s) of abstract of the invention are enclosed.
- ☒ An assignment of the invention to LG Electronics, Inc. ☒ is enclosed ☐ will follow.
- ☐ An associate power of attorney ☐ is enclosed ☐ will follow.
- ☐ Inventor(s) or Assignee(s) is entitled to small entity status under 37 C.F.R. §§ 1.9 & 1.27.
- ☒ Declaration and Power of Attorney ☒ is enclosed ☐ will follow.
- ☒ A certified copy of Korean Patent Application No. 10-2003-0013146 filed on March 3, 2003 from which priority is claimed in the subject case pursuant to 35 U.S.C. § 119 ☐ will follow ☒ is enclosed.
- ☐ IDS enclosed (☐ with references).
- ☐ Preliminary Amendment is enclosed.

CALCULATION OF FEES								
ITEM		TOTAL NO. OF CLAIMS		NO. OF CLAIMS OVER BASE	LG/SM \$ ENTITY FEE		\$ AMOUNT	\$ FEE
A	TOTAL CLAIMS FEE	15	-20	34	LG=\$18 SM=\$9	\$ 18	\$ 0	
B	INDEPENDENT CLAIMS FEE*	3	-3	0	LG=\$86 SM=\$43	\$ 86	\$0	
C	SUBTOTAL - ADDITIONAL CLAIMS FEE (ADD FINAL COLUMN IN LINES A + B)							\$ 0
D	MULTIPLE-DEPENDENT CLAIMS FEE					LARGE ENTITY FEE = \$290 SMALL ENTITY FEE = \$145		\$ 0
E	BASIC FEE					LARGE ENTITY FEE = \$770 SMALL ENTITY FEE = \$385		\$ 770
F	TOTAL FILING FEE (ADD TOTALS FOR LINES C, D, AND E)							\$ 770
G	ASSIGNMENT RECORDING FEE						\$ 40	\$ 40
	*LIST INDEPENDENT CLAIMS [LIST OF INDEPENDENT CLAIMS]							


- ☒ A check in the amount of \$ 770 to cover the filing fee is enclosed.
- ☒ A check in the amount of \$ 40 to cover Assignment Recordation fee is enclosed.

- ☒ The Commissioner is hereby authorized to charge any deficiency for the following fees associated with this communication or credit any overpayment to Deposit Account No. 502290. A copy of this sheet is enclosed.
- ☒ Any additional filing fees required under 37 C.F.R. § 1.16
- ☒ Any patent application processing fees under 37 C.F.R. § 1.17

Respectfully submitted,

LEE, HONG, DEGERMAN, KANG & SCHMADEKA

Date: March 2, 2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
Jae Hyoung Kim and Sung Ryong Hong
Serial No:
Filed: Herewith
For: CHANNEL ESTIMATOR ADOPTING MASKING

Art Unit:
Examiner: --

CERTIFICATE OF MAILING VIA U.S. EXPRESS MAIL

"Express Mail" Mailing Label No. ER731428650US

Date of Deposit: March 2, 2004

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that

- ☒ one copy of a letter of transmittal
- ☒ check in amount of \$ 770 as filing fee
- ☒ patent application (23 page(s) of specification: 15 claim(s); 1 page(s) of abstract
- ☒ 5 sheet(s) of formal drawings
- ☒ An assignment of the invention to LG Electronics, Inc. ☒ is enclosed ☐ will follow
- ☒ A check in the amount of \$ 40 to cover Assignment Recordation fee is enclosed.
- ☒ executed Declaration and Power of Attorney ☒ is enclosed ☐ will follow
- ☐ An associate power of attorney ☐ is enclosed ☐ will follow.
- ☒ A certified copy of Korean Patent Application No. 10 -2003-0013146 filed on March 3, 2003, from which priority is claimed in the subject case pursuant to 35 U.S.C. § 119 ☐ will follow ☒ is enclosed
- ☐ IDS transmittal
- ☐ PTO-1449 form
- ☒ return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 C.F.R. § 1.10 on the date indicated above and are addressed to:

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: March 2 __, 2003

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Amit Sheth

Name of person mailing papers



Signature